

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P847828

Luminaire Tested: **GLAN-SB4A-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14895 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

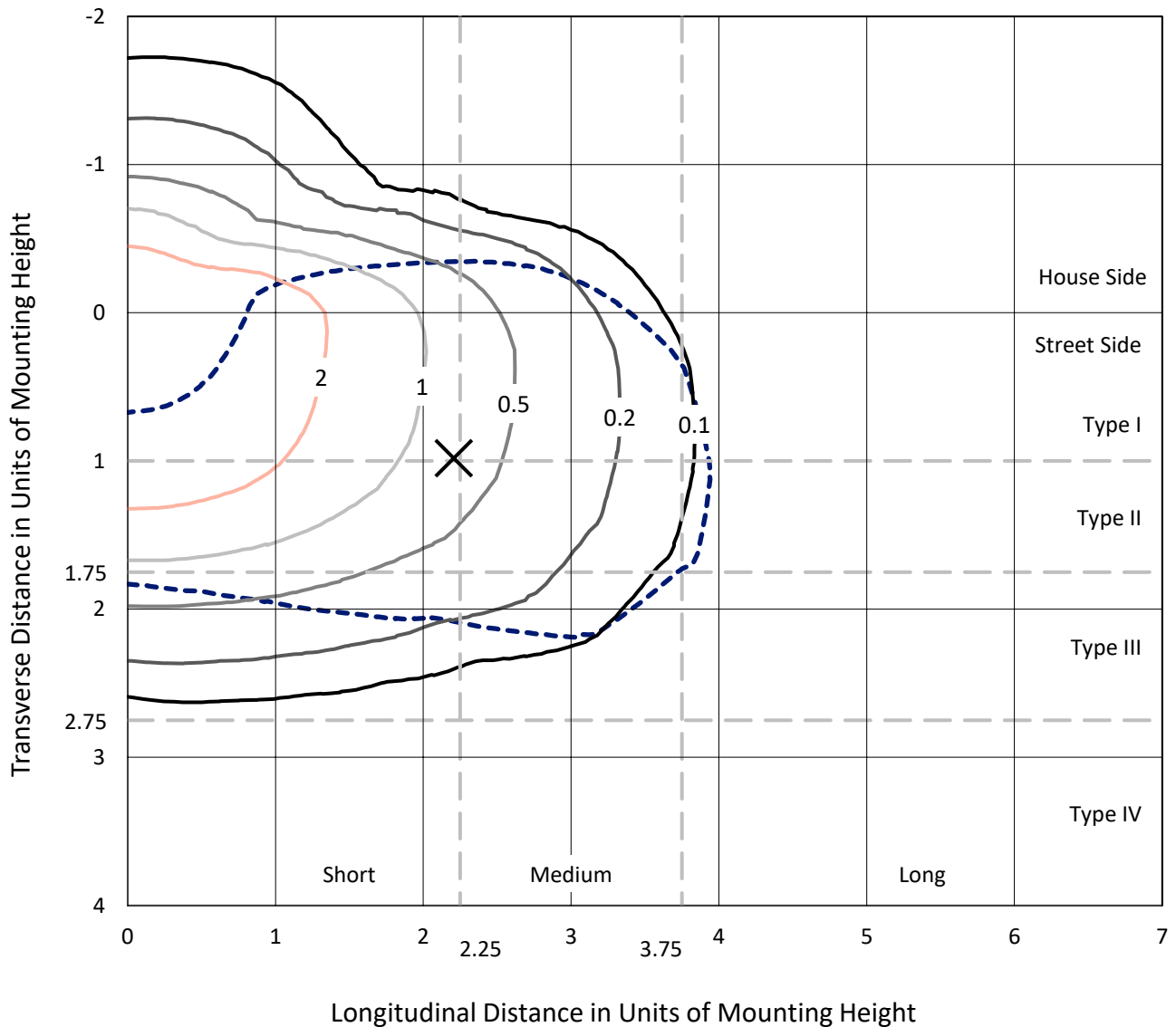
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

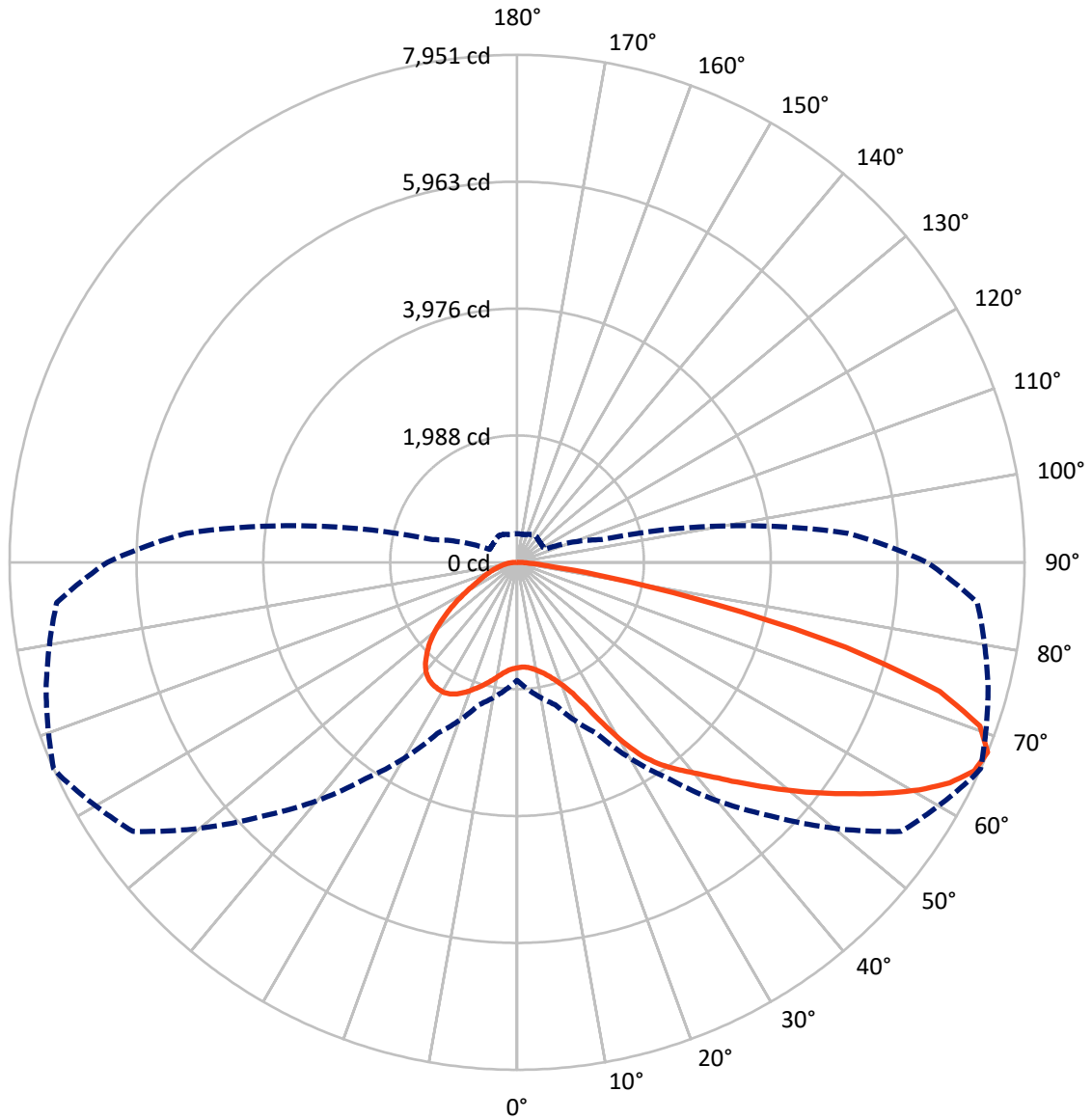
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3703.6	0.0	3703.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11191.4	0.0	11191.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	14895.0	0.0	14895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.8	1.1
10°-20°	541.2	3.6
20°-30°	1043.0	7.0
30°-40°	1828.9	12.3
40°-50°	2718.9	18.3
50°-60°	3446.5	23.1
60°-70°	3372.3	22.6
70°-80°	1608.6	10.8
80°-90°	171.9	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14895.0	100.0
0°-180°	14895.0	100.0

Coefficient of Utilization



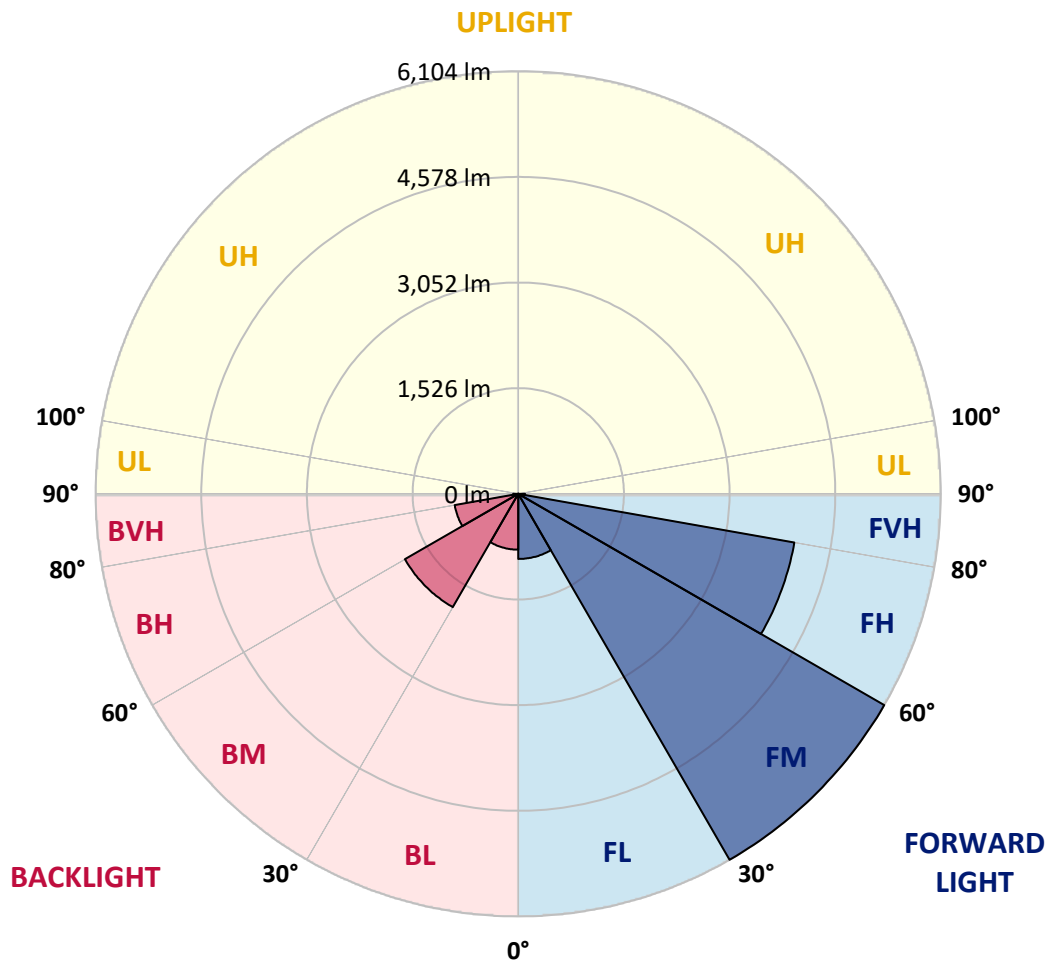
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	941.2	6.3			
FM (30°-60°)	6103.8	41.0			
FH (60°-80°)	4048.9	27.2			G2/5000
FVH (80°-90°)	97.5	0.7			G1/100
BL (0°-30°)	806.8	5.4	B2/1000		
BM (30°-60°)	1890.4	12.7	B2/2500		
BH (60°-80°)	932.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	74.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1
2.5°	1634.8	1644.2	1641.9	1638.0	1637.2	1638.7	1641.1	1643.4	1642.7	1646.6
5°	1630.1	1639.5	1638.7	1638.7	1641.9	1648.1	1652.1	1656.0	1652.1	1656.7
7.5°	1633.3	1640.3	1643.4	1646.6	1654.4	1666.1	1675.5	1684.1	1679.4	1684.9
10°	1673.2	1678.7	1681.8	1681.8	1687.3	1700.6	1710.0	1725.6	1721.7	1730.3
12.5°	1746.0	1751.4	1751.4	1748.3	1752.2	1760.8	1764.0	1781.2	1774.1	1788.2
15°	1835.2	1846.1	1837.5	1832.0	1833.6	1842.2	1841.4	1854.7	1847.7	1859.4
17.5°	1933.8	1947.9	1933.8	1933.0	1929.9	1939.3	1940.0	1951.8	1939.3	1947.9
20°	2050.4	2070.0	2058.2	2062.1	2055.1	2059.0	2062.9	2080.1	2060.6	2066.8
22.5°	2214.7	2238.2	2225.7	2240.6	2235.9	2232.7	2232.0	2262.5	2232.0	2234.3
25°	2454.2	2482.4	2460.5	2480.8	2480.8	2491.0	2502.7	2541.9	2491.0	2476.1
27.5°	2807.9	2836.1	2793.1	2805.6	2801.7	2826.7	2814.2	2911.2	2856.5	2832.2
30°	3233.7	3283.8	3202.4	3199.2	3195.3	3235.2	3253.2	3317.4	3261.8	3237.6
32.5°	3693.8	3746.3	3649.2	3621.1	3606.2	3630.4	3615.6	3667.2	3628.9	3591.3
35°	4180.6	4232.3	4139.9	4085.1	4025.7	3974.8	3921.6	3934.9	3898.9	3841.7
37.5°	4640.8	4735.5	4637.6	4578.9	4469.4	4370.0	4221.3	4159.5	4125.8	4073.4
40°	5109.5	5163.5	5089.2	5039.1	4920.2	4764.4	4526.5	4395.8	4350.4	4299.6
42.5°	5454.7	5506.3	5466.4	5432.0	5338.8	5158.1	4850.5	4686.9	4621.2	4564.1
45°	5728.6	5766.9	5741.9	5754.4	5714.5	5539.2	5186.2	4999.2	4931.1	4861.5
47.5°	5838.9	5879.6	5919.5	5993.9	6062.0	5932.8	5547.0	5337.3	5265.3	5194.1
50°	5826.4	5867.9	5983.7	6141.8	6353.1	6310.0	5927.4	5697.3	5630.8	5549.4
52.5°	5726.2	5773.2	5921.9	6184.8	6521.3	6592.6	6314.7	6069.0	6006.4	5909.4
55°	5463.3	5491.5	5714.5	6087.0	6561.3	6789.8	6694.3	6465.0	6402.4	6267.0
57.5°	4975.7	5016.4	5341.2	5823.3	6461.1	6923.6	7027.7	6881.3	6821.1	6626.2
60°	4339.5	4404.4	4776.2	5380.3	6206.0	6922.8	7330.5	7290.6	7240.5	6979.9
62.5°	3619.5	3694.6	4052.3	4754.2	5759.9	6726.4	7519.9	7633.4	7607.6	7306.3
65°	2779.8	2831.4	3187.5	3944.3	5065.7	6304.6	7541.8	7867.4	7872.1	7554.4
67.5°	1850.8	1999.5	2308.6	2959.8	4136.0	5615.1	7349.3	7905.7	7951.1	7639.7
70°	903.1	1098.8	1401.6	1923.6	2959.8	4557.8	6846.1	7591.1	7692.1	7390.8
72.5°	374.9	438.3	603.4	949.3	1699.0	3075.6	5835.0	6738.1	6925.2	6548.7
75°	252.8	273.9	345.1	486.8	774.0	1516.7	4208.0	5024.2	5325.5	4946.0
77.5°	194.9	208.2	251.2	340.4	460.2	573.6	2252.3	3027.8	3183.6	2947.2
80°	153.4	163.6	187.8	248.1	326.3	306.8	767.7	1371.9	1461.9	1226.3
82.5°	133.0	137.0	134.6	168.3	216.8	179.2	252.0	506.3	558.8	405.4
85°	96.3	107.2	111.9	104.1	115.0	90.8	103.3	179.2	197.2	176.1
87.5°	39.1	57.9	71.2	67.3	42.3	25.8	32.1	52.4	60.3	65.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1652.1	0°	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1	1652.1
1652.8	2.5°	1653.6	1659.1	1663.0	1667.7	1670.8	1675.5	1684.9	1690.4	1691.2	1695.1
1665.4	5°	1668.5	1676.3	1684.9	1697.4	1711.5	1723.3	1741.3	1753.8	1758.5	1762.4
1695.9	7.5°	1700.6	1711.5	1727.2	1749.1	1769.4	1785.1	1807.0	1821.9	1836.7	1842.2
1744.4	10°	1748.3	1764.0	1786.7	1816.4	1838.3	1858.7	1881.4	1893.9	1908.7	1915.0
1802.3	12.5°	1807.8	1824.2	1854.0	1895.4	1915.8	1929.9	1937.7	1934.6	1937.7	1943.2
1872.0	15°	1875.9	1893.9	1927.5	1972.1	1986.2	1973.7	1956.5	1940.8	1938.5	1940.0
1956.5	17.5°	1956.5	1969.8	2008.9	2046.5	2036.3	1984.7	1947.1	1922.0	1909.5	1905.6
2064.5	20°	2069.2	2069.2	2101.3	2124.7	2056.7	1969.0	1910.3	1869.6	1843.8	1832.8
2211.6	22.5°	2206.1	2193.6	2214.0	2197.5	2052.7	1925.2	1843.8	1773.4	1734.2	1718.6
2417.4	25°	2379.9	2365.0	2359.5	2257.8	2024.6	1855.5	1723.3	1638.0	1603.5	1594.9
2714.0	27.5°	2642.0	2604.5	2533.3	2290.6	1972.9	1746.0	1582.4	1503.4	1483.8	1484.6
3095.2	30°	2991.1	2915.9	2741.4	2296.1	1888.4	1591.0	1438.4	1382.1	1372.7	1376.6
3415.2	32.5°	3314.3	3243.1	2954.3	2271.1	1758.5	1439.2	1309.3	1271.7	1257.6	1262.3
3659.4	35°	3567.8	3548.3	3151.5	2235.9	1598.8	1296.8	1193.5	1161.4	1134.0	1127.7
3889.5	37.5°	3807.3	3799.5	3299.4	2186.6	1440.8	1195.8	1100.3	1058.1	1018.2	996.2
4143.8	40°	4070.3	4062.4	3396.5	2110.7	1300.7	1108.2	1016.6	961.0	911.7	871.8
4431.8	42.5°	4366.1	4319.9	3442.6	2001.9	1181.7	1033.8	948.5	873.4	808.4	771.6
4757.4	45°	4689.3	4585.2	3441.8	1863.4	1081.5	965.7	875.7	769.3	709.0	674.6
5091.5	47.5°	5032.1	4838.8	3399.6	1710.0	984.5	890.6	763.0	681.6	641.7	620.6
5454.7	50°	5385.8	5075.9	3327.6	1533.9	885.1	805.3	692.6	637.0	606.5	586.9
5814.7	52.5°	5718.4	5291.1	3240.7	1334.3	784.2	722.3	661.3	618.2	586.2	564.2
6163.7	55°	6027.5	5476.6	3117.8	1130.1	702.0	666.8	646.4	610.4	573.6	547.8
6518.2	57.5°	6302.2	5597.1	2905.8	938.3	643.3	628.4	630.8	597.1	554.9	532.9
6867.2	60°	6530.7	5685.5	2591.9	760.7	595.6	590.9	606.5	572.1	522.8	497.7
7162.3	62.5°	6667.7	5684.0	2206.9	622.9	554.9	556.4	574.4	540.8	490.7	467.2
7316.5	65°	6655.9	5544.7	1784.3	532.9	515.7	517.3	540.8	506.3	464.1	450.0
7239.0	67.5°	6420.4	5205.0	1368.8	474.3	472.7	479.7	507.1	482.9	447.6	446.1
6777.2	70°	5782.6	4499.9	986.1	427.3	428.1	438.3	474.3	468.0	439.0	442.2
5698.1	72.5°	4636.9	3430.9	662.1	378.0	378.8	395.2	442.9	456.3	430.4	471.9
4042.9	75°	3088.1	2139.6	425.7	325.6	326.3	347.5	415.6	433.6	406.9	470.3
2103.6	77.5°	1483.8	961.8	308.3	273.9	273.9	293.5	359.2	388.2	346.7	365.5
676.2	80°	512.6	361.6	242.6	220.7	216.0	229.3	302.9	336.5	299.0	275.5
220.7	82.5°	201.9	187.8	194.9	171.4	155.7	164.3	235.6	277.8	219.9	198.8
124.4	85°	115.8	122.1	137.7	113.5	90.0	101.0	173.0	199.6	165.9	146.3
40.7	87.5°	31.3	43.0	63.4	58.7	40.7	43.0	82.2	110.3	95.5	73.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
1652.1
1694.3
1761.6
1843.0
1918.1
1944.7
1945.5
1911.1
1830.5
1716.2
1596.5
1486.9
1389.9
1268.6
1132.4
997.0
875.7
774.0
673.0
615.9
579.9
554.9
537.6
518.9
486.8
460.2
449.2
448.4
441.4
478.2
474.3
334.9
258.3
198.0
149.5
75.9
0.0

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